



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

**PERMIT TO OPERATE**

E004553

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: DECEMBER 2016**

**OWNER OF OPERATOR (Co.#9)**

Searles Valley Minerals Operations, Inc  
13200 Main Street  
Trona, CA 93562

**EQUIPMENT LOCATION (Fac.#2)**

SVM - Trona Plant  
13200 Main Street  
Trona, CA 93562

**Description:**

DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of: IMC# S2906

One Detroit Diesel, Diesel fired internal combustion engine Model No. 70847010-8V71 and Serial No. 8VA385527, producing 305 bhp with 8 cylinders at 2100 rpm while consuming a maximum of 8.0 gal/hr. This equipment powers a Pump Model No. and Serial No. , rated at .

**CONDITIONS:**

1. This emergency, stationary, compression-ignited, internal combustion engine and after-treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [40 CFR 63.6625(e) - Subpart ZZZZ - NESHAP for Stationary Reciprocating Internal Combustion Engines]

2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. District and State only

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance. [Rule 204; Requirements of 40CFR Subsection 63.6640(f)(1)(ii) have been streamlined out by this existing applicable requirement.]

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 1474

SCC: 20100102

Location/UTM(Km):  
466E/3957N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Searles Valley Minerals Operations, Inc  
P.O. Box 367  
Trona, CA 93592-0367

By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [40CFR Subsection 63.6625(f)]
5. The annual hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled IC engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. {Title 17 CCR 93115(c)16}
6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
- a. Date of each use and duration of each use (in hours);
  - b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);
  - c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,
  - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].
  - e. Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,
  - f. Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below. [17 CCR 93115, ATCM for Stationary Compression Engines]
7. Owner/operator must meet the following requirements;
- a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in \S63.6625(i) in order to extend this requirement.
  - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
  - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
  - d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Subsection 63.6603, table 2d]
8. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR \S93115) and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.